

AAMISEPP, I.; EICHENBAUM, E.; HALLER, E.; KAARLI, K.; KIIK, H.;
KIVI, V.; KOTKAS, H.; KORJUS, H.; LEIVATEGIJA, L.; LIIV, J.;
LÄNTS, L.; MÄLKSCO, A.; PEDAJA, V.; POLNA, H.; RANDALU, I.;
RUUGE, J.; SEKSEL, H.; TOOMRE, R.; TUPITS, H.; TUUL, S.;
TÖNISSON, H.; TÄÄGER, A.; VIIRAND, M.; VAHENÕMM, K.; ARAK, A.,
red.

[Plant breeding] Taimekasvatus. Tallinn, Eesti Raamat, 1964.
813 p. [In Estonian] (MIRA 18:1)

1. TUUL, S. I.
2. USSR (600)
4. Oats - Estonia
7. Khiamarik oats of Jogeva. Sel. i sem. 19 no.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. TUUL, S. I.
2. USSR (600)
4. Estonia - Oats
7. Khiamarik oats of Jogeva. Sel. i sem. 19 No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

KHALDNA, Yu.L. [Haldna, J.]; TUULMETS, A.V.; LAANESTE, Kh.E. [Laaneste, H.];
TIMOTKHEUS, Kh.R. [Timotheus, H.]

Gas liquid chromatographic separation of mixtures of alcohols,
ketones, and nitro compounds. Izv. vys. ucheb. zav., khim. i
khim. tekh. 7 no.5:865-867 '64 (MIRA 18:1)

1. Laboratoriya khimicheskoy kinetiki i kataliza Tartuskogo
gosudarstvennogo universiteta.

TUULMETS, A.V.; PARTS, E.O.; PLOOM, L.R.

Thermal effects of the reaction of methyl- and ethyl magnesium bromide with some ketones. Zhur.ob.khim. 33 no.10: 3124-3126 0 '63.
(MIRA 16:11)

1. Tartuskiy gosudarstvennyy universitet.

POPOVA, L.A., inzh.; ANTIPINA, V.I.; GRAKHOV, A.N., starshiy inzh.; PERSHINA, M.P., tekhn.; TEREN'T'YEVA, K.A., starshiy tekhn.; ZARINA, Ye.S.; TUULYA-METS, Kh.Yu., inzh.; MENILA, L.A., starshiy inzh.; KUZNETSOV, I.V., red.; EYPRE, T.F., red.; SVITINA, A.A., red.; MOISEYEV, I.N., red.; FLAUM, M.Ya., tekhn. red.

[Hydrological yearbook] Gidrologicheskii ezhegodnik. Leningrad, Gidrometeor. izd-vo. 1957. Vol.1. [Basin of the Baltic Sea] Bassein Baltiiskogo moria. Nos.0-3. [Basins of the Gulf of Finland and the Gulf of Riga from the Russian-Finnish frontier to the northern watershed of the Salaca River] Basseiny Finskogo i Rizhskogo zalivov ot gosudarstvennoi granitsy s Finliandiei do severnogo vodorazdela r.Salatsa. Pod red. I.V.Kuznetsova i T.F.Eipre. 1961. 460 p. (MIRA 14:9)
(Baltic Sea region--Hydrology) (Kama Valley--Hydrology)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620013-9

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CIA-RDP86-00513R001757620013-9"

N L 13179-66

ACC NR: AP6001853 SOURCE CODE: UR/0310/65/000/009/0048/0048

AUTHOR: Tuv, I. (Candidate of technical sciences); Kalinin, Yu. (Engineer)

ORG: None

TITLE: A device for the purification of waste water

SOURCE: Rechnoy transport, no. 9, 1965, 48

TOPIC TAGS: water purification, fresh water, water purification equipment, ship, ship component

ABSTRACT: The Leningrad Institute of Water Transportation (Leningradskiy institut vodnogo transporta) developed a new design of a standard shipborne device for the removal of petroleum products from the ship's waste water. The device, shown in Fig. 1, is designated for Diesel ships of the river fleet. The capacity of the unit is 300 liter/hr. The device was tested successfully on the motor ship "Sochi" (SZRP) and motor ship "Reshma". (VORP). Orig. art. has: 1 figure.

Card

1/2

UDC: 629.128:628.16.004

L 13179-66

ACC NR: AP6001853

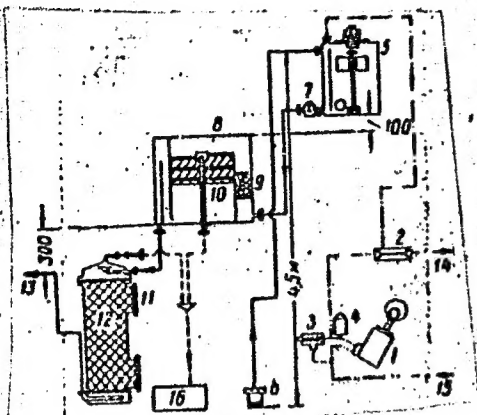


Fig. 1. Block diagram of the unified shipborne device for the removal of petroleum products from waste water (LIVT design). -- waste water; -- separated petroleum products; -.- air; -.-.- outside water; 1 - pump with a 2 t/hr capacity, $p = 2 \text{ kg/cm}^2$; 2 - water jet pump; 3 - discharge valve; 4 - air chamber; 5 - vacuum tank; 6 - input chamber; 7 - one way valve; 8 - coarse purification filter; 9 - coke insert; 10 - petroleum layer; 11 - fine purification filter; 12 - wood chips with sawdust; 13 - purified water for the ship; 14 - water over the side; 15 - water from over the side; 16 - petroleum collecting tank.

SUB CODE: 13 / SUBM DATE: none

Card 2/2

BROVMAN, Ya.S.; TUV, A.M.

Improving the reliability of electric equipment of heavy machine
tools. Stan.1 instr. 33 no.12:3-7 D '62. (MIRA 16:1)
(Machine tools--Electric driving)

TUV, I.A., kand. tekhn. nauk; KALININ, Yu.V., inzh.

Device for deoiling sump waters. Trudy LIVT no.72:22-29 '64.
(MIRA 18:10)

TUV, I., kand.tekhn.nauk; FEDOTOV, V., inzh.

Simplified method of determining the calorific value of fuel oil.
Rech. transp. 20 no. 3:28-29 Mr '61. (MIRA 14:5)
(Petroleum as fuel) (Calorimetry)

TUV, Izrail' Aronovich; PETRENKO, A.F., red.; VOLCHOK, K.M., tekhn.
red.

[Firing water-cut fuel oil in marine steam boilers] Szhiganie
obvodnennykh mazutov v sudovykh parovykh kotlakh. Leningrad,
Izd-vo "Rachnoi transport," 1962. 63 p. (MIRA 15:7)
(Petroleum as fuel) (Boilers, Marine)

TUV, I.A., kand.tekhn.nauk; FEDOTOVA, V.N., inzh.

Simplified method of determining fuel oil efficiency. Trudy
LIVT no.18:25-31 '61. (MIRA 14:9)
(Petroleum as fuel--Testing)

TUTUROV, A.A.

Effect of hydrocortisone on the allergic skin reaction of
a retarded type. Izv. AN Kazakh. SSR. Ser. med. nauk no.3:
59-62 '63. (MIRA 17:1)

TUV, I.A., kand.tekhn.nauk; IOFF, U.M., inzh.

Efficiency of burning watery fuel oils. Proizv.-tekhn. sobr. no.3:3-
19 '59. (MIRA 13:10)

1. Leningradskiy institut vodnogo transporta.
(Petroleum as fuel) (Marine engines---Combustion)

TUV, I.A., kand. tekhn. nauk; IOFF, U.M., inzh.

Utilizing heavily watered fuel oils as boiler fuel. Rech. trans.
18 no.8:29-32 Ag '59. (MIRA 12:12)
(Petroleum as fuel)

Tuv, I. A.
SHAPKIN, Il'ya Fedorovich; VESELOV, Mikhail Petrovich; TUV, I. A., retsenzent;
ALEKSANDROV, A.S., redaktor; SHLENNIKOVA, Z.V., redaktor izdatel'stva;
TSVETKOVA, S.V., tekhnicheskii redaktor

[Soda regenerative water softeners for steam equipment in river
transportation] Sodoregenerativnye vodoumiaschiteli dlia rechnykh
parosilovykh ustanovok. Moskva, Izd-vo "Rechnoi transport," 1957.
49 p. (MIRA 10:7)

(Feed-water purification)

TUVAN, G:

Development of public health in the Mongolian People's Republic.
Zdrav. Kazakh. 21 no.9:77-79 '61. (MIRA 14:10)

1. Ministr ~~zdravookhraneniya~~ Mongol'skoy Narodnoy Respubliki.
(MONGOLIA--PUBLIC HEALTH)

TUVAYEVA, A.A., assistenka

Nonuniformity of the measuring off of weft yarn on pneumatic
looms. Tekst. prom. 24 no.8:39-43 Ag '64. (MIRA 17:10)

1. Kafedra proyektirovaniya tekstil'nykh mashin Moskovskogo
tekstil'nogo instituta.

TUYAYEVA, A.A., aspirant

Pneumatic projection of weft through the shed (from "Journal of the Textile Institute," Oct. 1959). Tekst.prom. 20 no.9:82-84 S
'60. (MIRA 13:10)

1. Moskovskiy tekstil'nyy institut.
(United States--Weaving)

DALKHAZHAY, N.; ZLATEVA, A.Y.; KORBEL, Z.F.; MARKOV, P.K.; TODOROV, T.S.;
TUVDENDORZH, D.; CHERNEV, Kh.M.; SHAFRANOVA, M.G.

Elastic scattering of 4Gev./c mesons by protons. Zhur. eksp.
i teor. fiz. 47 no.1:12-15 J1 '64. (MIRA 17:9)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Sotrudniki
Instituta fiziki i khimii Mongol'skoy Akademii nauk, Ulan-Bator
(for Dalkhazhav, Tuvdendorzh). 3. Sotrudniki Fizicheskogo
instituta i atomnoy nauchno-issledovatel'skoy laboratorii
Bolgarskoy Akademii nauk, Sofiya. (for Zlateva, Markov, Todorov,
Chernov).

DZHANELIDZE, L.P.; KOPYLOVA, D.K.; KOROLEVICH, Yu.B.; KOSTANASHVILI, N.I.;
MANDRITSKAYA, K.V.; PETUKHOVA, N.I. [deceased]; PODGORETSKIY, M.I.;
TUVDENDORZH, D.; SHAKHULASHVILI, O.A.; CHZHEN PU-IN [CHEN P'U YING]

Production of charged hyperons by 9 Bev. protons interacting with
nuclei of photo emulsion. Zhur.eksp.i teor.fiz. 39 no.5:1237-1241
N '60. (MIRA 14:4)

1. Ob"yedinennyy institut yadernykh issledovaniy, Institut fiziki AN
Gruzinskoy SSR i Tbilisskiy gosudarstvennyy universitet.
(Mesons) (Protons) (Photography, Particle track)

GRAMENITSKIY, I.M.; DANYSH, M.Ya.; LYUBIMOV, V.B.; PODGORNETSKIY, M.I.;
TUVDENDORZH, D.

Angular relationship of secondary particles produced during
collision of high-energy nuclear particles. Zhur. eksp. i teor. fiz.
35 no.2:552-553 Ag '58. (MIRA 11:10)

1.Ob'yedinennyy inatitut yadernykh issledovaniy.
(Collisions (Nuclear physics)) (Particles, Elementary)

VISHKI, T.; GRAMENITSKIY, I.M.; KORBEL, Z.; NOMOFILOV, A.A.; PODGORETSKIY,
M.I.; ROB, L.; STREL'THOV, V.N.; TUVDENDORZH, D.; KHVASTUNOV, M.S.

Inelastic interactions between protons and nucleons at an energy
of 9 Bev. Zhur.eksp.i teor.fiz. 41 no.4:1069-1075 0 '61.
(MIRA 14:10)

1. Ob"yedinennyy institut yadernykh issledovaniy.
(Protons) (Nucleons)

DZHANELIDZE, L.P.; MAHIRITSKAYA, K.V.; SHAKHULASHVILI, O.A.;
KOPYLOVA, D.K.; KOROLEVICH, Yu.B.; PETUKHOVA, N.I. [deceased];
TUVDENDORZH, D.; CHZHEN PU-IN [Chen P'u-ying]; KONSTANASHVILI, N.I.

Angular distribution of the decay products of hyperons,
formed by protons in a photographic emulsion. Zhur. eksp. i
teor. fiz. 38 no.3:1004-1005 Mr '60. (MIRA 13:7)

1. Ob'yedinennyy institut yadernykh issledovaniy.
(Particles (Nuclear physics))
(Particle track photography)

KIRILLOVA, L.F.; NIKITIN, V.A.; PANTUYEV, V.S.; SVIRIDOV, V.A.; STRUMOV, L.N.;
KHACHATURYAN, M.N.; KHRISTOV, L.G.; SHAFRANOVA, M.G.; KORBEL, Z.; ROB, L.;
DAMYANOV, S.; ZLATEVA, A.; ZLATANOV, Z.; YORDANOV, V. [Iordanov, V.];
KANAZIRSKI, Kh.; MARKOV, P.; TODOROV, T.; CHERNEV, Kh.; DALKHAZHAY, N.;
TUVDENDORZH, D.

Elastic pp and pd-scattering at small angles in the energy range
2 - 10 Bev. IAd. fiz. 1 no.3:533-539 Mr '65. (MIRA 18:5)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Vyssheye
tekhnicheskoye uchilishche, Praga (for Korbelskiy, Rob). 3. Fizicheskiy
institut Bolgarskoy Akademii nauk, Sofiya (for Damyanov, Zlateva,
Zlatanov, Yordanov, Kanazirski, Markov, Todorov, Chernov). 4. Institut
khimii i fiziki, Ulan-Bator, Mongol'skaya Narodnaya Respublika (for
Dalkhazhbay, Tuvdendorzh).

KORBEL, Z.F.; SHAFRANOVA, M.G.; ZLATEVA, A.I.; MARKOV, P.K.;
TODOROV, T.S.; CHERNEV, Kh.M.; DALKHAZHAY, N.; TUVDENDORZH, D.;
ZRELOVA, N.N., tekhn. red.

[Elastic scattering of π^- -mesons on protons at a momentum
of 4 GeV/c] Uprugoe rasseianie π^- -mezonov na protonakh pri
impul'se 4 GeV/s. Dubna, Ob"edinenyyi in-t iadernykh issledo-
vaniy, 1963. 7 p. (MIRA 17:1)

1. Institut fiziki i khimii Mongol'skoy Akademii nauk, Ulan-
Bator (for Dalkhazhav, Tuvdendorzh).

21(7) SOV/56-35-2-56/60
 AUTHORS: Gramenitskiy, I. M., Danysh, M. Ya., Lyubimov, V. B.,
 Podgoretskiy, M. I., Tuvdendorzh, D.
 TITLE: Concerning the Problem of the Angular Correlation Between the
 Secondary Particles Which Are Generated in Nuclear Collisions
 of High Energy (K voprosu ob uglovoy korrelyatsii mezhdu
 vtorichnymi chastitsami, obrazuyushchimisya v yadernykh
 stolknoveniyakh vysokoy energii)
 PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958.
 Vol 35, Nr 2(8), pp 552-553 (USSR)
 ABSTRACT: The above-mentioned relativistic particles were generated by
 the interaction of protons (~ 9 BeV) with the nuclei of the
 photoemulsion. The authors measured the coefficient of the
 correlation between the number of the particles which fly
 away at different spatial angles. For the correlation co-
 efficient $R = n_1 n_2 - \bar{n}_1 \bar{n}_2$ the expression $R = p_1 p_2 (\Omega_n - \bar{\Omega})$
 may be obtained. n_1 and n_2 denote the numbers of the secondary
 relativistic particles in any separate star the emission
 directions of which are within the spatial angles Ω_1 and Ω_2 .
 Card 1/3

SOV/56-35-2-56/60

Concerning the Problem of the Angular Correlation Between the Secondary
Particles Which Are Generated in Nuclear Collisions of High Energy

\bar{n} denotes the average number of the particle in the star and D_n - the dispersion of the particle number. In order to measure the value of R , the authors used 450 nuclear spallations which were found by examination of an emulsion chamber consisting of emulsions NIKFI - «R» with a density of 400 μ . This chamber was irradiated by the internal beam of the synchrophasotron of the Ob'yedinennyy institut yadernykh issledovaniy (United Institute of Nuclear Research). The investigation was carried out along the tracks made by the primary protons. For \bar{D}_n and \bar{n} the values $3,64 \pm 0,15$ and $3,23 \pm 0,09$ respectively, were found. Further investigations are based on the measurement of the quantity $Q = \bar{R} - p_1 p_2 (D_n - \bar{n})$ for different values of the angles Ω_1 and Ω_2 . The results of these measurements are given in a table. According to these results, there is no total statistical independence between the emission directions of the secondary particles. 6 "narrow pairs" (uzkaya para) were found by the analysis of 375 spallations. The investigation of the correlations in the direc

Card 2/3

SOV/56-35-2-56/60

Concerning the Problem of the Angular Correlation Between the Secondary
Particles Which Are Generated in Nuclear Collisions of High Energy

tions of emission of the secondary particles may be useful for the verification of the statistical theory of the multiple production of pairs. For this purpose, it is essential to investigate the elementary collisions of nucleons and pions with nucleons. Moreover, it is necessary to take into account the possible existence of angular correlations which are connected with the conservation laws. The authors thank E. V. Yesin, T. V. Pokidov, L. I. Fedorov and M. I. Filippov for their participation in carrying out measurements and D. S. Chernavskiy for his discussion of the results of this paper. There are 1 figure and 4 references, 2 of which are Soviet.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy
(United Institute for Nuclear Research)

SUBMITTED: May 31, 1958

Card 3/3

TUVIKENE, L.M.

Apodizing diaphragms and diaphragms increasing the resolving power.
Opt. 1 spektr. 10 no.2:284-287 F '61. (MIRA 14:2)
(Light filters)

L 22122-66 EMT(1)

ACC NR: AP6004922

SOURCE CODE: UR/0056/66/050/001/0076/0077

AUTHOR: Kirillova, L. F.; Nikitin, V. A.; Sviridov, V. A.; Strunov, L. N.;
Shafranov, M. G.; Korbel, Z.; Rob, L.; Zlateva, A.; Markov, P. K.; Todorov, T.;
Khristov, L.; Chernev, Kh.; Dalkhazhav, N.; Tuvdendorzh, D.

ORG: [Kirillova; Nikitin; Sviridov; Strunov; Shafranov] Joint Institute of
Nuclear Research, Dubna (Ob'yedinennyi institut yadernykh issledovaniy); [Korbel;
Rob] Czechoslovakian Higher Technical School, Prague (Chekhoslovatskoye Vyssheye
tekhnicheskoye uchilishche); [Zlateva; Markov; Todorov; Khristov; Chernev] Physics
Institute, Bulgarian Academy of Sciences, Sofia (Fizicheskiy institut Bolgarskoy
Akademii nauk); [Dalkhazhav; Tuvdendorzh] Institute of Chemistry and Physics,
Mongolian Academy of Sciences, Ulan-Bator (Institut khimii i fiziki Mongol'skoy
Akademii nauk)

TITLE: Real part of the pp elastic scattering amplitude at 2, 4, 6, 8, and 10 Gev

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 1, 1966,
 76-77

TOPIC TAGS: proton scattering, elastic scattering, scattering amplitude, differ-
 ential cross section, nuclear scattering
 Card 1/2

L 22122-66

ACC NR: AP6004922

ABSTRACT: This is a continuation of earlier work by the authors (Phys. Lett. v. 13, 93, 1964) in which they present results of the measurements of the real part of the nuclear elastic scattering amplitude for an energy of 4 Gev, and more precise data for energies 2, 6, 8, and 10 Gev, taking into account the relativistic corrections. The experimental technique was described elsewhere (PTE no. 6, 18, 1963). The differential cross section was measured in the interval $0.003 < |t| < 0.2 \text{ (Gev/c)}^2$ (t = momentum transfer squared). The analysis of the obtained data as well as those reported by others was based on the Bethe formula (Ann. of Phys. v. 3, 190, 1958) with allowance for radiative corrections. The results agree well with the theoretical curve proposed by Soding (Phys. Lett. v. 8, 286, 1963), up to an energy of 20 Gev, above which some discrepancy appears. Orig. art. has: 1 figure and 2 formulas.

SUB CODE: 20/

SUBM DATE: 25Aug65/

ORIG REF: 001/

OTH REF: 008

Card 2/2

BK

TUVIN, R.H.

Review of S.A. Trusova and V.K. Fertman's book "Aromatic spirits
and infusions for the production of liqueurs and vodka." Spirt.
prom. 24 no.2:39-40 '58. (MIRA 11:3)

(Liquors)
(Fertman, V.K.)

TUVCHENKO, A. I.

"The Synapses of the Cortex in the Occipital Lobe of the Cerebrum of Dogs." Cand Med Sci, Minsk State Medical Inst, Minsk, 1955.
(KL, No 13, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

TUVERIKIN, S

TUVERIKIN, S.

in our Uralvagon plant. Za rul. 14 no.8:9 '56. (MIRA 10:9)

1. Predsedatel' pervichnoy organizatsii Dobrovol'nogo obshchestva
sodeystviya armii, aviatsii i flotu.
(Ural Mountain region--Automobile drivers)

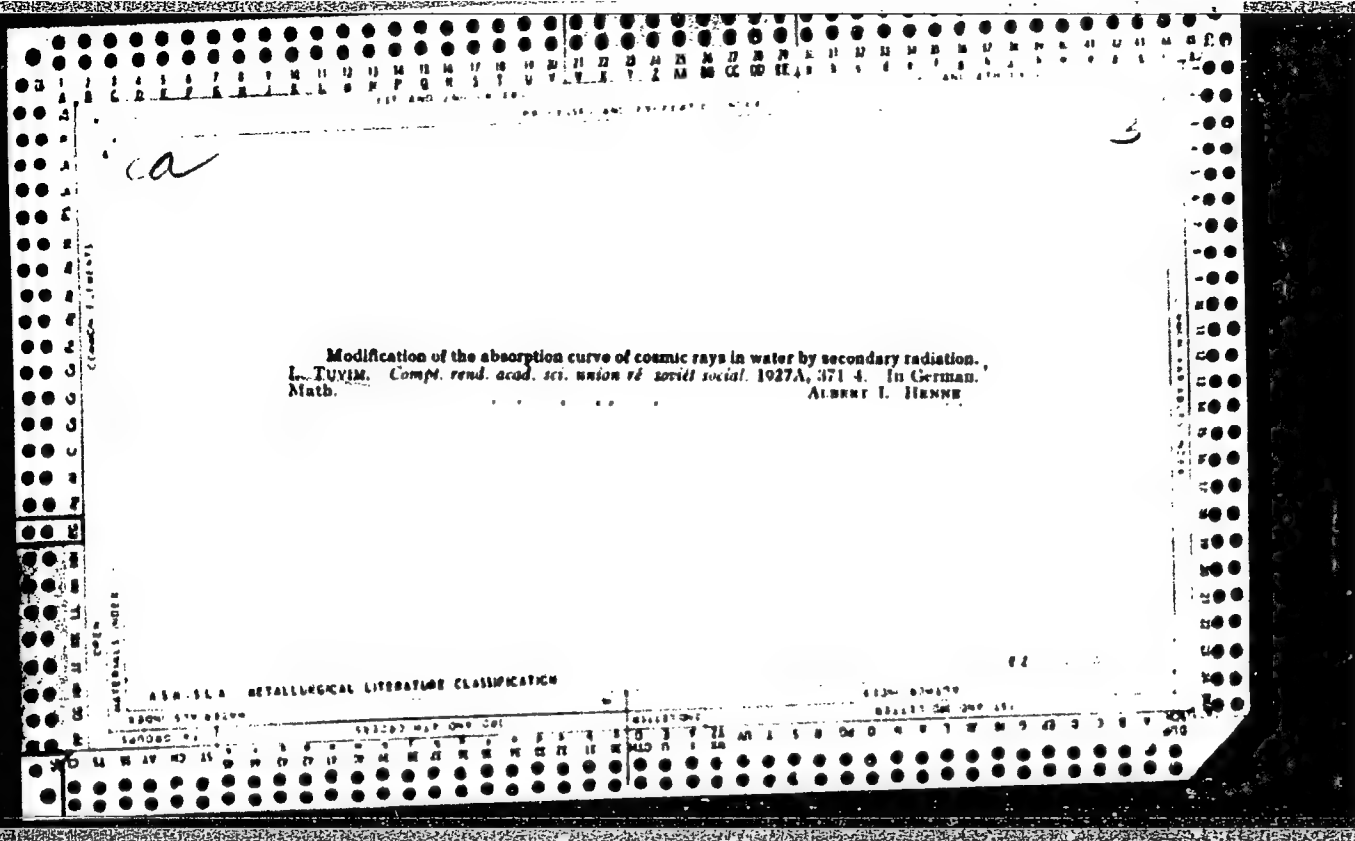
10

Modification of the absorption curve of cosmic rays in water by secondary radiation
L. TUYUM. *Compt. rend. acad. sci. union rd. soviet union*. 1937A, 371 4. In German.
Math.

ALBERT I. HENNE

17

15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 17400 17500 17600 17700 17800 17900 18000 18100 18200 18300 18400 18500 18600 18700 18800 18900 19000 19100 19200 19300 19400 19500 19600 19700 19800 19900 20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000 21100 21200 21300 21400 21500 21600 21700 21800 21900 22000 22100 22200 22300 22400 22500 22600 22700 22800 22900 23000 23100 23200 23300 23400 23500 23600 23700 23800 23900 24000 24100 24200 24300 24400 24500 24600 24700 24800 24900 25000 25100 25200 25300 25400 25500 25600 25700 25800 25900 26000 26100 26200 26300 26400 26500 26600 26700 26800 26900 27000 27100 27200 27300 27400 27500 27600 27700 27800 27900 28000 28100 28200 28300 28400 28500 28600 28700 28800 28900 29000 29100 29200 29300 29400 29500 29600 29700 29800 29900 30000 30100 30200 30300 30400 30500 30600 30700 30800 30900 31000 31100 31200 31300 31400 31500 31600 31700 31800 31900 32000 32100 32200 32300 32400 32500 32600 32700 32800 32900 33000 33100 33200 33300 33400 33500 33600 33700 33800 33900 34000 34100 34200 34300 34400 34500 34600 34700 34800 34900 35000 35100 35200 35300 35400 35500 35600 35700 35800 35900 36000 36100 36200 36300 36400 36500 36600 36700 36800 36900 37000 37100 37200 37300 37400 37500 37600 37700 37800 37900 38000 38100 38200 38300 38400 38500 38600 38700 38800 38900 39000 39100 39200 39300 39400 39500 39600 39700 39800 39900 40000 40100 40200 40300 40400 40500 40600 40700 40800 40900 41000 41100 41200 41300 41400 41500 41600 41700 41800 41900 42000 42100 42200 42300 42400 42500 42600 42700 42800 42900 43000 43100 43200 43300 43400 43500 43600 43700 43800 43900 44000 44100 44200 44300 44400 44500 44600 44700 44800 44900 45000 45100 45200 45300 45400 45500 45600 45700 45800 45900 46000 46100 46200 46300 46400 46500 46600 46700 46800 46900 47000 47100 47200 47300 47400 47500 47600 47700 47800 47900 48000 48100 48200 48300 48400 48500 48600 48700 48800 48900 49000 49100 49200 49300 49400 49500 49600 49700 49800 49900 50000 50100 50200 50300 50400 50500 50600 50700 50800 50900 51000 51100 51200 51300 51400 51500 51600 51700 51800 51900 52000 52100 52200 52300 52400 52500 52600 52700 52800 52900 53000 53100 53200 53300 53400 53500 53600 53700 53800 53900 54000 54100 54200 54300 54400 54500 54600 54700 54800 54900 55000 55100 55200 55300 55400 55500 55600 55700 55800 55900 56000 56100 56200 56300 56400 56500 56600 56700 56800 56900 57000 57100 57200 57300 57400 57500 57600 57700 57800 57900 58000 58100 58200 58300 58400 58500 58600 58700 58800 58900 59000 59100 59200 59300 59400 59500 59600 59700 59800 59900 60000 60100 60200 60300 60400 60500 60600 60700 60800 60900 61000 61100 61200 61300 61400 61500 61600 61700 61800 61900 62000 62100 62200 62300 62400 62500 62600 62700 62800 62900 63000 63100 63200 63300 63400 63500 63600 63700 63800 63900 64000 64100 64200 64300 64400 64500 64600 64700 64800 64900 65000 65100 65200 65300 65400 65500 65600 65700 65800 65900 66000 66100 66200 66300 66400 66500 66600 66700 66800 66900 67000 67100 67200 67300 67400 67500 67600 67700 67800 67900 68000 68100 68200 68300 68400 68500 68600 68700 68800 68900 69000 69100 69200 69300 69400 69500 69600 69700 69800 69900 70000 70100 70200 70300 70400 70500 70600 70700 70800 70900 71000 71100 71200 71300 71400 71500 71600 71700 71800 71900 72000 72100 72200 72300 72400 72500 72600 72700 72800 72900 73000 73100 73200 73300 73400 73500 73600 73700 73800 73900 74000 74100 74200 74300 74400 74500 74600 74700 74800 74900 75000 75100 75200 75300 75400 75500 75600 75700 75800 75900 76000 76100 76200 76300 76400 76500 76600 76700 76800 76900 77000 77100 77200 77300 77400 77500 77600 77700 77800 77900 78000 78100 78200 78300 78400 78500 78600 78700 78800 78900 79000 79100 79200 79300 79400 79500 79600 79700 79800 79900 80000 80100 80200 80300 80400 80500 80600 80700 80800 80900 81000 81100 81200 81300 81400 81500 81600



GOKHMAN, Ye.V.; GORELIK, I.G. [deceased]; PETROVA, T.D.; TOVSKAYA,
N.I.; ROMANOVA, P.M.; NARKOTSKAYA, I.V.; TSYRLIN, L.M.,
red.

[Ferrous metallurgy of capitalist countries; a statistical
manual] Chernaya metallurgiya kapitalisticheskikh stran;
statisticheskii spravochnik. [By] E.V. Gokhman i dr. Izd. 3.,
dop. Moskva, 1964. 335 p. (MIRA 18:4)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut
informatsii i tekhniko-ekonomicheskikh issledovaniy chernoy
metallurgii.

GORELIK, I.G. [deceased]; GOKHMAN, Ye.V.; PETROVA, T.D.; TUVSKAYA, N.I.;
ROMANOVA, P.M.; TSYRLIN, L.M., red.; KHUTORSKAYA, Ye.S., red. izd-
va; ISLENT'YEVA, P.G., tekhn. red.

[Ferrous metallurgy in capitalist countries; statistical handbook]
Chernaia metallurgiiia kapitalisticheskikh stran; statisticheskii
spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno
i tsvetnoi metallurgii, 1961. 368 p. (MIRA 14:11)

1. Moscow. Tsentral'nyy institut informatsii chernoy metallurgii.
(Iron industry—Statistics) (Steel industry—Statistics)

64 TUVTENDORZH, D.

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ARTICLES

Tubanelidze, L. P., Koplyeva, D. M., Korolovich, D. B.,
Kostanavskii, E. I., Mordukhai, E. V., Petukhov, E. I.,
(Moscow), Podgorniy, M. I., Dvornikov, D.,
Shakulashvili, O. A., Chukin, P. A.

Formation of Charged Hyperons During Interactions of 9-Ber
Protons With Nuclei of a Photomulsion

Journal experimental'noy i teoreticheskoy fiziki, 1960,
Vol. 39, No. 3(11), pp. 1237-1241

2200. The authors investigated the angular distribution of positive and
negative pions formed in decays of Σ^+ hyperons formed in their turn by the
interaction of 9-ber protons with nuclei of a photomulsion. The authors
irradiated two emulsion chambers (10 \times 10 \times 5 cm) with 9-ber protons
(10 - 15 \times 10⁵ (chamber 2)). These chambers consist of DP-1000/460M
(30-400 KIVT)-type emulsion layers. 9-ber protons of the proton-synchro-
tron of the Laboratoriya yadernoy energii OIYAI (High-energy Laboratory
of the Joint Institute of Nuclear Research) were used to bombard the
Card 1/4

medians. Angular distribution of the decay products of Σ^+ hyperons
investigating the longitudinal asymmetry found in the angular distribution
of pions formed during a hyperon decay. Fig. 1 shows the angular dis-
tribution of the hyperons in its direction of motion in the rest
system of the hyperon. The authors paid special attention to the calcula-
tion of these values. If the angular distribution is approximated by

$$1 + a \cos^2 \theta, \text{ then the coefficient of asymmetry has the form } a = \frac{3}{2} \frac{\sum_{i=1}^n \cos^2 \theta_i}{\sum_{i=1}^n 1} - 1$$

$\bar{a} = 0.032 \pm 0.021$; \bar{a} denotes the coefficient of
asymmetry for total hyperon polarization. \bar{a}_0 the vector component of the
mean Σ hyperon polarization in the direction of motion, θ_0 the angle
between the directions of motion of hyperons and pions in the rest system
of the hyperon, and N the number of hyperons observed. The following holds
for the angular distribution of pions relative to the production level of
 Σ hyperons: $b = 2(\bar{a}_{\text{forward}} - \bar{a}_{\text{backward}})/(\bar{a}_{\text{forward}} + \bar{a}_{\text{backward}}) = 0.36 \pm 0.22$.
Card 2/4

Fig. 2 shows the angular distribution of Σ^+ hyperons with necessary
corrections. The ratio of the number of positive and negative hyperons is
 $N_+/N_- = 3.2 \pm 0.1$. All black and gray tracks were investigated in 76
stars which displayed decaying stars according to the mode $\Sigma^+ \rightarrow p^+ + \pi^0$.
Four pair productions of Σ^+ hyperon and a π^0 meson, two pair productions
of π^+ and π^- mesons, and a production of two hyperons in a single star
were found. A star of the type ($\pi^+ + \pi^-$) had two gray particles which
decay into a relativistic particle during motion. This particle might
have been a hyperon. The annihilation of one antiproton was observed in
the extension of the selected rays. The authors thank E. I. Andronikashvili,
and all the laboratory assistants for their interest, and the operators of the synchrotron
and all the laboratory assistants for taking part in the evaluation of the
photomulsions. There are 4 figures and 6 Soviet references.

ASSOCIATIONS: Ob'yedineny Institut Yadernykh Issledovaniy (Joint
Institute of Nuclear Research) Institut fiziki
nauk Gruzinokoy SSR (Institute of Physics, Academy of
Sciences Gruzinokoy SSR), Tbilisskiy gosudarstvennyy
universitet (Tbilisi State University)

Card 3/4

TUWIM, J.

Lokomotywa (The locomotive), by J. Tuwim. Reported in New Books,
(Nowe Ksiazki), No. 6, March 15, 1956.

MELIKHAR, F. [Melichar, F.]; TUY, D.; KAN, V.

Diagnostic significance of the determination of transaminase activity in the blood serum of patients with epidemic hepatitis. Sov. med. 28 no.4:72-75 Ap '64.

(MIRA 17:12)

1. 2-ya terapevticheskaya klinika, Brno, i Bol'nitsa im. V'yetnamo-chekhoslovatskoy družby, Demokraticeskaya Respublika V'yetnam, Gayfong.

TUYCHEV, N.G.

Some characteristics of the growth and development of cotton
plant in the early stage of vegetation as influenced by foliar
feeding with macro- and microelements. Uzb. biol. zhur. 8
no.3:42-47 '64. (MIRA 17:12)

1. Tashkentakiy sel'skokhozyaystvennyy institut.

TUYCHIBAYEV, M.; KRUSHILIN, A.S.

Movement of labeled assimilates from the cotyledons of cotton.
Fiziol. rast. 12 no.3:412-415 My-Je '65. (MIRA 18:10)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR,
Moskva.

TUYCHUBAYEV, M.; KRUSHILIN, A.S.

Translocation of labelled assimilates from the individual leaves
of a cotton plant. Fiziol.rast. 12 no.6:1045-1050 N-E '65.

(MIRA 18:12)

3. Institut fiziologii rasteniy imeni K.A.Timiryazova AN SSSR,
Moskva. Submitted June 23, 1964.

KRUZHILIN, A.S.; TUYCHIBAYEV, M.

Role of organs in cotton ontogeny. Uzb. biol. zhur. 8 no.6:
20-25 '64. (MIRA 18:3)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620013-9

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757620013-9"

Card 1/2

SHARPATYY, V.A.; YANOVA, K.G.; TUYCHIEV, A.V.; IBRAGIMOV, A.P.

Radiolytic properties of amino acids and peptides. Dokl. AN
SSSR 157 no.3:660-663 JI '64.
(MIRA 17:7)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova. Predstav-
leno akademikom I.I. Chernyayevym.

IBRAGIMOV, A.P.; TUYCHIEV, A.V.

Use of an aqueous glycine solution for the dosimetry of gamma
radiation and fast neutrons. Atom. energ. 18 no.2:185-187 F 185.
(MIRA 18:3)

h3231

S/844/62/000/000/044/129
D287/D307

17.12.2.
AUTHORS: Ibragimov, A. P., Tulyaganov, A. and Tuychiyev, A. V.

TITLE: The effect of γ rays on aqueous solutions of monoamino monocarboxylic acids

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimii. Ed. by L. S. Polak. Moscow, Izd-vo AN SSSR, 1962, 263-268

TEXT: The present work was carried out owing to the lack of information concerning the effects of irradiation on the concentration of monoamino monocarboxylic acids and on amino nitrogen, and on the determination of the decomposition products. 0.01 M and 0.05 M solutions of cysteine, glycine, alanine and serine were prepared and 10 ml of these solutions irradiation in fused ampoules with 77 r/sec from a Co^{60} radiation source. The concentration of cysteine, cystine and H_2S in the irradiated solutions was determined polarographically and the decomposition products of cysteine

Card 1/2

The effect of γ rays ...

S/844/62/000/000/044/129
D287/D307

were analyzed by paper chromatography and densitometry. Similarly to decomposition products in the organism, the latter included cysteine, cysteic acid and taurine. Paper chromatographic investigations, Van Slyke's method and Conway's diffusion method for the determination of liberated NH_3 proved that the rate of deamination depends on the concentration of the irradiated solution and on the type of amino acid. The amount of amino nitrogen was found to decrease rapidly in 0.05 M solutions of glycine, alanine and serine when the radiation dosage was increased. Deamination proceeded more readily in glycine solutions than in the other amino acids, i.e. in S-containing amino acids. There are 9 figures.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR (Institute of Nuclear Physics, AS UzSSR)

Card 2/2

SHARPATYY, V.A.; YANOVA, K.G.; TUYCHIYEV, A.V.; IBRAGIMOV, A.P.

Radiolysis of frozen aqueous solutions of some amino acids and
peptides. Zhur. fiz. khim. 39 no. 1:232-235 Ja '65
(MIRA 19:1)

1. Fiziko-khimicheskiy institut imeni L. Ya. Karpova, Moskva.
Submitted May 9, 1964.

SADYKOV, A.S.; OTROSHCHENKO, O.S.; LEONT'YEV, V.B.; TUYCHIYEV, E.

Polarographic method for the quantitative determination of anabasine.
Zhur.prikl.khim. 36 no,6:1296-1300 Je '63. (MIRA 16:8)
(Anabasine) (Polarography)

TUYCHIEV, M.T.; KOROVIN, E.P., deystvitel'nyy chlen.

Vegetative propagation of the walnut in Central Asia. Dokl. AN Uz.SSR no.4:
19-21 '49. (MLRA 6:5)

1. Institut botaniki i zoologii AN Uz.SSR (for Tuychiyev). 2. Akademiya
Nauk Uzbekskoy SSR (for Korovin). (Soviet Central Asia--Walnut)

TUYEV, A.D.

29350 usloviya obrazovaniya gal'vanicheskogo elementa zuboprotezami i faktory, opredelyayushchiye yego EDS. Trudy Molotovsk. gos. stomatol. in-ta, vyp. 8, 1949 s. 133-38.-Bibliogr: 8 nazv.

SO: ~~Is~~topsi' Zhurnal'nykh Statey, Vol. 7, 1949

TUYEV, A. D.

PA 64/49T73

USSR/Medicine - Plastics
Medicine - Stomatology

Jan/Feb/Mar 49

"Problem of the Chemical Stability of AER-7
Plastics," A. D. Tuyev, Lab for Course on
Phys Chem, Molotov Stomatol Inst, 2 pp

"Stomatol" No 1

Experiments were conducted to determine the
effect of various solutions (NaCl, HCl, water,
5% sugar solutions, etc.) on the chemical
stability of subject plastic, intended for use
in dental fillings. Determined that chemical
stability was high, and compared favorably with
stainless steel in corrosive resistance.

64/49T73

ТУУУ, А.Д.

36458.

О Воздействии Окружающей--Среды На Зубные Проставки Из Пластмассы Ак-7.
Стоматология, 1949, No.4, С. 50-52

SO: Letopis' Zhurnal'nykh Statey, Vol. 49, Moskva, 1949

TUYEV. A.D.

29349 Gal'vanicheskiye toká vo rtu i deystviye ikh na organy rta i zuboprotezy.
Trudy Molotovsk. gos. stomatol. in-ta, vyp. 8, 1949, s. 123-32, Bibliogr: 12 nazv.

SO: Letopsi' Zhurnal'nykh Statey, Vol. 7, 1949

BALANDIN, P.S.; GORLOV, I.A.; KAGARMANOV, N.F.; POBEDONOSTSEV, V.S.;
TUYEV, D.D.; KHAMZIN, Sh.Kh.

Core recovering from the producing layer D₁ in the Tuymazy
field. Neft. khoz. 40 no.5:59-62 My '62. (MIRA 15:9)
(Tuymazy region—Core drilling)

TOYEV, G.V.; ZARETSKIY, L.S.

Phase polarography. Zav.lab. 29 no.11:1291-1293 '63.
(MIRA 16:12)

1. Severo-Kavkazskiy filial konstruktorskogo byuro "TSvetmetavtomatika".

TUYEV, G.V.; ZARETSKIY, L.S.

Transducer of the automatic polarographic concentration meter
LAPK-475. Zav. lab. 30 no.8-1025-1026 '64. (MIRA 18:3)

1. Severo-Kavkazskiy filial konstruktorskogo byuro "TSvetmetavtomatika".

TUYEV, G.V.; KUZ'MENKOV, I.N.; NEDEL'KO, N.I.; KONDRATENKO, M.I.

Automatic control of pulp density with the help of the type
RRP-605 radioisotope relay. TSvet.net. 38 no.10:12-15 0 '65.
(MIRA 18:12)

TUYEV, N.A.; SIMAKOV, V.N.; LAVROV, B.B.

Study of molybdenum (VI) complex formation with specific humic
and some carboxylic acids by the infrared spectroscopy method.
Vest. IGU 20 no.3:126-137 '65. (MIRA 18:2)

SIMAKOV, V.R.; TUYEV, N.A.

Influence of peat compost and clays on the effectiveness of
molybdenum fertilizers in Podzolic sandy soils. Vest. LGU 19
no.15:111-123 '64. (MIRA 17:11)

Tuyev, N. P.

USSR/ Geology

Card 1/1

Pub. 22 - 40/52

Authors :

Tuyev, N. P.

Title :

Lower chalk deposits of neighboring Dzhungaria

Periodical :

Dok. AN SSSR 100/2, 351-354, Jan 11, 1955

Abstract :

Geological data are presented regarding the origin of lower chalk deposits discovered along the southern slope of the Sel'kentay mountain on the right shore of the Dyam River in Dzhungaria. One Soviet references (1940).

Institution :

All-Union Petroleum Scientific Research Geological Exploration Institute

Presented by :

Academician S. I. Mironov, September 16, 1954

TUYEV, V.A., master

Simple method of cleaning anode heads of rectifiers. Elek. i
tepl.tiaga 3. no.2:29 F '59. (MIRA 12:4)

1. Barabinskiy uchastok energosnabzheniya, Omskaya doroga.
(Mercury-arc rectifiers—Cleaning)

TUYEV, V.G., inzh.; VENEDIKTOV, T.G., inzh.

Loading ties and short pieces of lumber using a "cap."
Zhel. dor. transp. 41 no.5:60-62 My '59. (MIRA 12:7)
(Railroads—Freight cars)
(Loading and unloading)
(Lumber—Transportation)

AUTHORS: Tuyev, V.S. and Nadyrov, U.G., Engineer SOV/117-58-12-26/36

TITLE: Some Problems of Mechanization of Boiler Production (Nekotoryye voprosy mekhanizatsii kotel'nogo proizvodstva)

PERIODICAL: Mashinostroitel', 1958, Nr 12, p 35 (USSR)

ABSTRACT: Information is given on deficiencies existing in the production of parts at the Tambov Plant of Chemical Machine Building. The supply of flanged and elliptic bottom parts from other plants entails considerable difficulties, cost, etc, and production at the plant itself is only possible by manual processes. Tests carried out to introduce mechanized production were unsuccessful, due to the lack of machine tools. It is requested to supply plants making chemical equipment with the necessary machine tools to improve the quality of the manufactured parts and to reduce production costs.

ASSOCIATION: Tambovskiy zavod khimicheskogo mashinostroyeniya (Tambov Plant of Chemical Machine Building)

Card 1/1

TUYEV, V.S.; NADYROV, U.G.

Mechanization of boiler manufacture. Mashinostroitel' no.12:35
D. '58. (MIRA 11:12)

1. Tambovskiy zavod khimicheskogo mashinostroyeniya.
(Boilers)

BUKHMANN, G.D., inzh.; TUYEVA, A.A., inzh.

Improving the performance of turbine oil coolers. Elek.sta. 28 no.12:65
D '57. (MIRA 12:3)

(Oil coolers)

TUYEVA, A.A.
BUKHMEN, G.D., inzh.; TUYEVA, A.A., inzh.

Effect of turbine design on the life of turbine oils. Elek.sta.
29 no.1:79-81 Ja '58. (MIRA 11:2)
(Lubrication and lubricants)

TUYEVA, O. F.

Dissertation defended in the Botanical Institute imeni V. I.
Komarov for the academic degree of Doctor of Biological Sciences:

"Absorption and Use of Phosphorus by Plants."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
BC																			
<p>Accumulation of phosphoric acid by barley in an aqueous solution. O. Tuma. (Bull. Inst. Technol. Ind. Univ. Prag. 1959, 6, No. 6, 241--275).--With high concentration of phosphate absorption continued to the end of the vegetative period, and migration of phosphate from vegetative to reproductive organs did not occur. Such migration occurred on restriction of the quantity of phosphate. An excess reduces the yield.</p>																			
CHEMICAL ABSTRACTS																			
<p>ASH-51A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
5TH ORDER										6TH ORDER									
7TH ORDER										8TH ORDER									

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSING AND PROPERTIES INDEX																										MATERIALS INDEX																									
<p>ca 15</p> <p>The influence of potassium on cotton. O. P. Tvevs. Lenin Acad. Agr. Sci. U. S. S. R., Central Asia Sci. Research Cotton Inst., Ak-Kavak Central Expt. Sta. (Tashkent), <i>Fertilizers for Cotton</i> Pt. 1, 48-51(1933).— K alone extends the period of the flowering of cotton. It is effective on the yield primarily in combination with N and P₂O₅. It increases the total leaf surface when ap- plied in moderate quantities. Increased applications of KCl decrease the total leaf surface. V. S. Tolle</p> <p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

15

The influence of nitrogen and phosphoric acid on the speed of growth and yield under conditions of pot experiments. O. P. Tsveta. Lenin Acad. Agr. Sci. U. S. S. R., Central Asia-Sci-Research Cotton Inst., Ak-Kavak Central Expt. Sta. (Tashkent), *Fertilizers for Cotton*, Pt. 1, 82-9 (in English 60) (1933).—The higher the ratio of P_2O_5 to N in the fertilizer mixt. the earlier the blooming period arrives and the quicker the plants mature. N alone retards the maturity of cotton. J. S. Joh.

TUYEVA, O.F.; SAMOYLOVA, S.A.

Characteristics of nitrogen and phosphate nutrition and the activity
of plant root systems. Trudy Inst.fiziol.rast. 6 no.1:118-138 '48.
(MIRA 9:9)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva AN SSSR.
(Minerals in plants)

11-D

CA

Consequences of phosphate and nitrogen starvation in plants. O. F. Tureva and S. A. Samoilova. *Doklady Akad. Nauk S.S.S.R.* 59, 589-92(1978). - Tissues of plants after P or N deficiency have a high capacity for the elements which were deficient during the exptl. period. The root tissues not only develop this property, but also have improved desorption rate for these substances. P deficiency leads to ammonia-N accumulation in the leaf tissues and causes the specific characteristics of P deficiency. The results are based on expts. with squash plants. In P deficiency the ability to synthesize nucleoproteins is not decreased, but actually is enhanced to a significant degree. P deficiency leads to the development of processes of metabolism which give rise to toxic or formative products, and plants placed on subsequent P-sufficient nutrition often develop symptoms of intoxication giving leaves and shoots of subnormal size. In N deficiency, however, the plants return to normal rapidly (often within 1-2 days). G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM 80W179

811121 ONE ONE ONE

811121 ONE ONE ONE

TUYEVA, O. F.

PA 53/49T71

USSR/Medicine - Plant Physiology
Agriculture - Organic Chemistry

Oct 48

"Action of Phosphate Nutrition on the Absorption
and Distribution of Nitrogen in Plants," O. F.
Tuyeva, S. A. Semoyliva, Inst of Plant Physiol
imeni K. A. Timiryazev, Acad Sci USSR, 3½ pp

"Dok Ak Nauk SSSR" Vol LXII, No 5

Observations of leaves showed that lack of phos-
phorus led to poor absorption of nitrogen by plants.
Experiments on gourds confirmed this point. Adding
ammonium variant, however, indicated no improvement.
Submitted by Acad N. A. Maksimov, 18 Aug 48.

53/49T71

KURSANOV, A.L.; TUYEVA, O.F.; VERESHCHAGIN, A.G.

Carbohydrate and phosphorus metabolism and the synthesis of amino acids in the roots of the pumpkin. (*Curcubita pepo*). *Fiziol.rast.* 1 no.1:12-20 S-O '54. (MLRA 8:10)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii nauk SSSR, Moscow.
(Plants--Metabolism) (Pumpkin) (Roots (Botany))

TUYEVA, O.F.; MURKIN, I.A.

Produced in the USSR

All Union Conference on Minor Elements. Fiziol.rast. 2 no.5:511-512
'55. (Trace elements) (MLRA 9:2)

TUYEVA, O.F., kandidat biologicheskikh nauk

Sixteenth Timiriazev lecture. Vest.AN SSSR 25 no.9:105-106 8'55.
(Plants--Nutrition) (MIRA 8:12)

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Cycle of mineral substances in plants as exemplified by nitrogen
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1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

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KLIMASHEVSKIY, Eduard Leonardovich; TUYEVA, O.F., otv. red.;
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Some regularities in density change of Mesozoic and Cenozoic
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143-147 '59. (MIRA 1534)
(Irtysh Valley--Geology, Stratigraphic)

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Methodology of processing material from the reflection method
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no.1:148-151 '59. (MIRA 15:4)
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Geology of the second structural stage in the Ishim-Irtysh interfluvium
in the light of geophysical data. Geol. i geofiz. no.4:88-95 '61.

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1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki
i mineral'nogo syr'ya, Novosibirsk.

(Irtysh Valley--Geology) . (Ishim Valley--Geology)

TUYEZOV, I.K.

Characteristics of the second structural stage of the southern part of Western Siberia based on geological and geophysical data. Trudy SNIIGGIMS no.27:7-24 '62. (MIRA 16:9)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.
(Siberia, Western) (Geology, Structural)

ТУЕЗОВ, И. К.

Dissertation defended for the degree of Candidate of Geologo-Mineralogical Sciences at the Joint Academic Council on Geologo-Mineralogical, Geophysical, and Geographical Sciences; Siberian Branch

"Tectonics of the Second Structural Stage of the Central Irtysh Area of the Western Siberian Depression in Relation to Evaluation of Petroleum Gas-Content Prospects (From Geologo-geophysical Data)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

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AUTHOR: Potiadi, E. E. (Corresponding member AN SSSR); Nikolayovskiy, A. A.;
Tuyezov, I. K.

ORG: none

TITLE: Geophysical investigations of structure of the crust and upper mantle in the eastern USSR

SOURCE: AN SSSR. Vestnik, no. 5, 1966, 50-54

TOPIC TAGS: earth crust, upper mantle, tectonics/Kurilo Islands, Kamchatka

ABSTRACT: Data from regional geophysical work and deep seismic sounding of the earth's crust in the Eastern USSR now have made possible preparation of a map of the tectonic structure of the area, which accompanies this article. The crust can be divided into three parts: oceanic, continental and transitional. Studies made by the Institute of Geology and Geophysics of the Siberian Department Academy of Sciences have shown that changes of the thickness of its "basalt" layer, are related clearly to the character of the Neogene-Quaternary structure, whereas the thickness of the "granite" layer has an obvious relationship not only to neotectonics, but also a close relationship to the pre-Cenozoic structure and the history of its development. For example, the regions of Mesozoic folding of the outer zone (the Northeast and Primorye), in comparison with regions of Cenozoic folding of the inner zone of the Pacific Ocean zone, are characterized by a thicker crust and a higher degree of gran-

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itization. New deep seismic sounding data in the region of the Kurilo Islands indicate a complex block character of deep crustal structure caused to a greater degree by change of the composition of its rocks than a change of thickness. The velocity of propagation of elastic waves at the M discontinuity in the southern regions is considerably greater than in the region of the underwater Vityaz' Range — 7.8-8.2 km/sec and 7.0-7.2 km/sec respectively. Specialists of the Sakhalin Integrated Scientific Research Institute have formulated a model of the earth's upper mantle with four asthenospheric layers at depths of 65-90, 120-160, 230-300 and 370-430 km, alternating with layers of high strength of matter. The asthenospheric layers are characterized by high absorption of transverse seismic waves, indicating a plasticity of the matter of these layers. The volcanoes of the Kuriles are projected onto the second asthenosphere, which must be regarded as a zone of magma formation. In eastern Kamchatka and in the Kuriles there is a system of faults associated with the continent-ocean boundary zone which extends to a depth of 500 km. The system of faults associated with the trench is traced only to depths of 200-250 km. Orig. art. has: 1 figure. [JPRS: 37,710]

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Studying the surface of the Pre-Jurassic basement of the
West Siberian Plain by the method of reflected waves.
Trudy SNIIGGIMS no. 30:75-81 ' 64 (MIRA 19:1)